

REQUEST FOR ACCESS TO AN ABANDONED APPLICATION UNDER 37 CFR 1.14

Bring completed form to:
File Information Unit
Crystal Plaza Three, Room 1D01
2021 South Clark Place
Arlington, VA
Telephone: (703) 306-2733

RECEIVED

DEC 22 2003

File Information Unit

In re Application of

Application Number

08/920 600

Filed

8-28-97

Paper No.

13

I hereby request access under 37 CFR 1.14(a)(1)(iv) to the application file record of the above-identified ABANDONED application, which is identified in, or to which a benefit is claimed, in the following document (as shown in the attachment):

United States Patent Application Publication No. _____, page _____, line _____

United States Patent Number 6652 709, column _____, line _____, or

WIPO Pub. No. _____, page _____, line _____

Related Information about Access to Pending Applications (37 CFR 1.14):

Direct access to pending applications is not available to the public but copies may be available and may be purchased from the Office of Public Records upon payment of the appropriate fee (37 CFR 1.19(b)), as follows:
For published applications that are still pending, a member of the public may obtain a copy of:

- the file contents;
- the pending application as originally filed; or
- any document in the file of the pending application.

For unpublished applications that are still pending:

- (1) If the benefit of the pending application is claimed under 35 U.S.C. 119(e), 120, 121, or 365 in another application that has: (a) issued as a U.S. patent, or (b) published as a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of:
 - the file contents;
 - the pending application as originally filed; or
 - any document in the file of the pending application.
- (2) If the application is incorporated by reference or otherwise identified in a U.S. patent, a statutory invention registration, a U.S. patent application publication, or an international patent application publication in accordance with PCT Article 21(2), a member of the public may obtain a copy of:
 - the pending application as originally filed.

[Signature]
Signature

12-22-03

Date

William Dues
Typed or printed name

Registration Number, if applicable

(703) 415-1674

Telephone Number

FOR PTO USE ONLY

Approved by:

Unit:



US006652704B2

(12) **United States Patent**
Green

(10) **Patent No.:** **US 6,652,704 B2**
(45) **Date of Patent:** **Nov. 25, 2003**

(54) **AEROSOL CEMENT AND VALVE FOR DISPENSING SAME**

(76) **Inventor:** **Ronald D. Green, 13595 Cable Rd., Pataskala, OH (US) 43062**

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) **Appl. No.:** **09/905,373**

(22) **Filed:** **Jul. 16, 2001**

(65) **Prior Publication Data**

US 2001/0047848 A1 Dec. 6, 2001

Related U.S. Application Data

(63) Continuation-in-part of application No. 09/347,787, filed on Jul. 6, 1999, now abandoned, which is a continuation-in-part of application No. 08/920,600, filed on Aug. 28, 1997, now abandoned.

(51) **Int. Cl.⁷** **B23B 31/00**

(52) **U.S. Cl.** **156/308.6; 156/304.2; 220/203.19; 222/412.24; 222/635; 285/285.1; 285/288.3; 285/290.1; 524/378**

(58) **Field of Search** **156/304.2, 308.6; 524/378; 285/285.1, 288.3, 290.1; 516/1, 8; 220/203.19; 222/635, 402.24**

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,033,473 A * 5/1962 Kitabayashi 222/402.24
3,061,203 A * 10/1962 Kitabayashi 222/402.24
3,074,601 A * 1/1963 Kuffer 222/402.24

3,209,960 A * 10/1965 Green 222/402.24
3,583,606 A * 6/1971 Ewald 222/635
4,572,406 A * 2/1986 Pratt et al. 222/402.19
4,687,798 A * 8/1987 King 156/308.6
5,027,985 A * 7/1991 Abplanalp 222/402.1
5,336,351 A * 8/1994 Meyers 156/308.6
5,453,219 A * 9/1995 Smrt et al. 252/305
5,480,925 A * 1/1996 Masuzaki et al. 252/305
6,429,242 B1 8/2002 Macher et al.
2002/0043334 A1 * 4/2002 Johnson 156/331.6

OTHER PUBLICATIONS

Quikrete® Commercia Grade Spray Solvent Weld Cement One-Step Primer & Cement For PVC, CPVC, and ABS Pipe, produ label, Jul. 19, 1999.*

* cited by examiner

Primary Examiner—Jeff H. Aftergut

(74) *Attorney, Agent, or Firm*—Richard L. Huff

(57) **ABSTRACT**

An aerosol solvent weld cement composition for joining ends of plastic pipe. The composition contains at least one polymer capable of welding the plastic pipes to each other, at least one solvent for the polymer, and at least one propellant for the polymer/solvent solution. The composition is maintained under pressure greater than atmospheric pressure in an aerosol container. A female omnidirectional valve is disclosed for use in the aerosol container. This valve comprises a valve body having an omnidirectional attachment which contains a check valve container made up of a constricted lower end, a top surface, a lateral opening, and a check ball for opening and closing passageways. This valve allows the solvent weld cement composition to be applied to pipes from any angle.

2 Claims, 3 Drawing Sheets

